

# **INTRODUCTION / OVERVIEW**

## **I.1 INTRODUCTION**

This Stormwater Management Plan (SWMP) was developed by the Connecticut Department of Transportation (CTDOT / Department) for the purpose of establishing, implementing and enforcing a stormwater management program to reduce the discharge of pollutants from the Department's highways, roadways, railways and facilities to the maximum extent practicable, to protect water quality, and to satisfy the appropriate requirements of the Clean Water Act.

The SWMP will cover all of the Department's highways, roadways and railways located within Urbanized Areas (UA) as indicated by the 2010 Census. Additionally, all interstate highways within the state will be covered under this SWMP regardless of location. Individual facilities such as airports, maintenance garages, ports, salt sheds and other miscellaneous facilities are or will be covered under the industrial general permit with the Connecticut Department of Energy and Environmental Protection (CTDEEP).

The U.S. Environmental Protection Agency (EPA) published the regulation entitled "National Pollutant Discharge Elimination System - Regulations for Revision of the Water Pollution Control Program Addressing Storm Water Discharges on December 8, 1999 as required by Section 402(p) of the Clean Water Act (CWA). This is commonly referred to as the National Pollutant Discharge Elimination System (NPDES) Phase II program.

This SWMP also directly addresses the requirements of the NPDES Phase II program as implemented and administered by the CTDEEP as the regulatory authority for the State of Connecticut. The NPDES Phase II program is implemented by the CTDEEP through the use of the General Permit for the Discharge of Stormwater from Small Municipal Storm Sewer Systems (MS4).

The Department currently has many practices and programs in place relating to stormwater management and pollution prevention. This plan will coordinate and incorporate these programs, policies, guidelines and practices into the SWMP document by reference.

The plan outlines a program of best management practices (BMPs) and measurable goals for the following six minimum control measures.

- Public education and outreach
- Public involvement / participation
- Illicit discharge detection and elimination
- Construction site stormwater runoff control
- Post-construction stormwater management
- Pollution prevention/good housekeeping

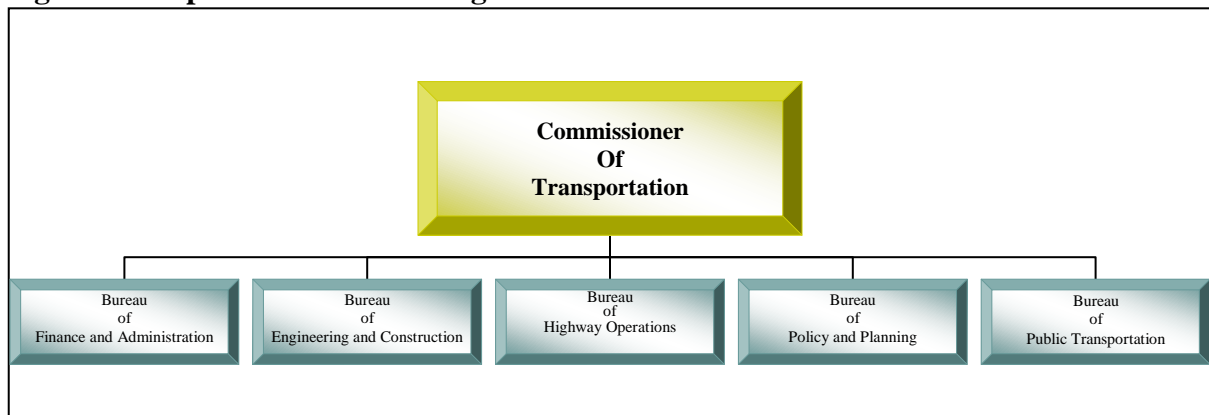
For each minimum control measure, the Department will define appropriate BMP's, define a time frame for implementation for each BMP, and define measurable goals for each BMP.

Each BMP implemented in the original 2004 SWMP has been revised and updated in order to implement the SWMP. Continued implementation will occur throughout the coming years.

## I.2 DEPARTMENT STRUCTURE AND INFORMATION

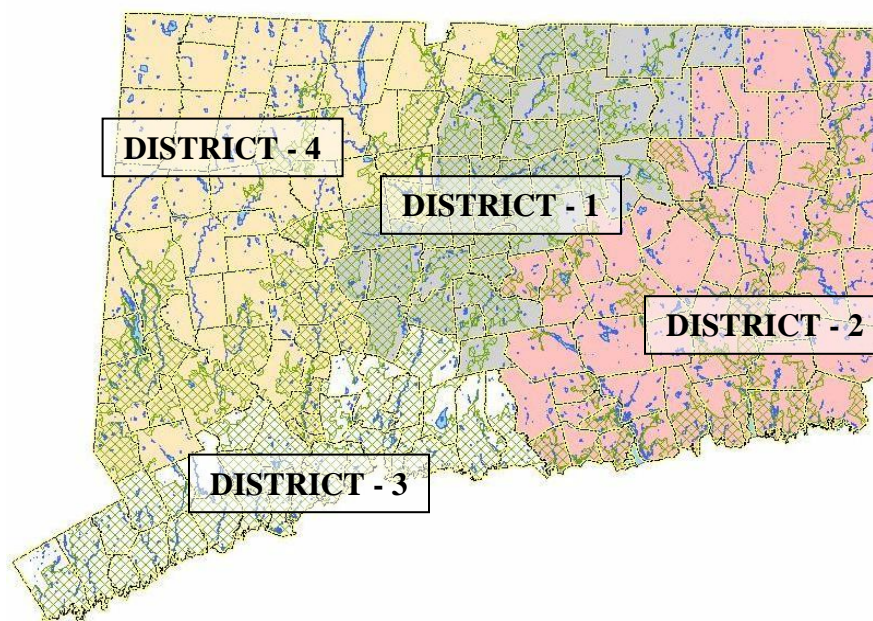
The Department is divided into five bureaus including Finance and Administration, Engineering and Construction, Highway Operations, Policy and Planning and Public Transportation. Within each bureau, the Department is further divided into separate offices as indicated in the Department organizational chart contained in the appendix of this plan.

**Figure I.1 Department Bureau Organizational Chart**



For construction and maintenance purposes, the Department is divided into four districts numbered 1 through 4.

**Figure I.2 CTDOT Maintenance Districts**



As of January 2015 the Department's facilities within the state included the following:

- 4,135 miles of state maintained highways and roads
- 257 miles of railroad right of way
- 1 Port facility
- 2 Ferry facilities
- 5 Office facilities (1 Headquarters, 4 District offices)
- 4 Rail facilities
- 61 maintenance facilities (garages, sign shops, repair facilities, etc.)
- 87 salt storage facilities

When compared to the total mileage of all roads within the state, including those maintained by the towns, the portion maintained by the Department represents approximately 19% of the total.

### **I.3 DEPARTMENT RESPONSIBILITIES AND LIMITATIONS**

It is the mission of the Connecticut Department of Transportation to provide a safe, efficient and cost-effective transportation system that meets the mobility needs of its users.

The Department is a state agency established and governed by the General Statutes of Connecticut responsible for all aspects of the planning, development, maintenance and improvement of transportation in the state. The Department does not possess statutory enforcement or taxing powers similar to those of the one hundred and sixty nine municipalities within the state. Additionally, the Department does not have the authority to regulate land use, zoning, building/development permits beyond the state owned right of way associated with the highways and roadways owned and operated by the State.

The Department relies upon the legislative and enforcement authority of other state agencies and municipalities to regulate storm water quality and establish water policy throughout the state for any land outside of the Department's control. Specifically, the CTDEEP is relied upon to protect and/or restore the State's surface and ground waters, water related resources regarding public water supply, human health and safety, provide hazard mitigation, river restoration, preserve and enhance water based recreation, propagation of fish and aquatic life, and the natural character and economic well being of the State.

### **I.4 NPDES PHASE II WORKING COMMITTEE**

As part of the development of the SWMP, a working committee was established with representatives of various units within the Department including, Construction, Consultant Design, Environmental Compliance, Environmental Planning, Hydraulics and Drainage, Maintenance, Property and Facilities, Public Relations, Public Transportation, State Design, Rights of Way, Surveys and the Department's consultant for this assignment, Maguire Group Inc.

During the development of the plan, the committee met on a regular basis to discuss relevant issues and provide input and guidance in the development of the plan. A list of the members of the working committee is provided below.

**Table I.1 NPDES Phase II Working Committee Members**

<b>Name</b>	<b>Office / Division or Organization</b>
Judith S. Cantwell	Environmental Planning
Paul N. Corrente	Environmental Planning
Daniel A. Gladowski	State Design
Colin F. Goegel	Aviation and Ports
James E. Hamilton	Construction
Thomas A. Harley	Consultant Design
Edgar T. Hurle	Environmental Planning
Richard T. Jankovich	Environmental Compliance
Derek A. Kohl	Maguire Group Inc.
David L. Labossiere	Rights of Way
Michael E. Masayda	Hydraulics and Drainage
Russell Morin	Maintenance
Stephen G. Scholz	Consultant Design
Daniel J. Smachetti	Property and Facilities
Steven Sokolowski	Central Surveys
David R. Stock	Maguire Group Inc.
John J. Wallace	Communications
Jay Young	Office of Rails

## **I.5 STATE INFORMATION**

### **General Information**

The state covers an area of approximately 5,554 square miles, including 161 square miles of inland water and 538 square miles of coastal water under state jurisdiction.

Three major rivers including the Connecticut River, the Housatonic River and the Thames River drain Connecticut flowing southward to Long Island Sound. Other principal rivers include the Naugatuck River, Yantic River, Quinebaug River, Willimantic River and Shetucket River. In addition, there are approximately 6,000 lakes and ponds within the state. The largest lake is Candlewood Lake, and the largest natural lake and water supply reservoir is Bantam Lake.

Precipitation in the state is for the most part evenly distributed throughout the year with most of the state receiving forty to fifty inches of rainfall per year.

Approximately 1864 square miles of the state is considered to be Urbanized Area (UA).

**Figure I.3 State Map**

